

PUB-NO: FR002706348A1  
DOCUMENT- FR 2706348 A1  
IDENTIFIER:  
TITLE: Unit for sawing up blocks of material such as  
stone, marble or granite

PUBN-DATE: December 23, 1994

**INVENTOR-INFORMATION:**

NAME	COUNTRY
CHRISTIAN, ESCANDE	N/A

**ASSIGNEE-INFORMATION:**

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CEBE ESCANDE	FR

APPL-NO: FR09307355

APPL-DATE: June 16, 1993

PRIORITY-DATA: FR09307355A (June 16, 1993)

INT-CL (IPC): B28D001/04 , B23D047/04

EUR-CL (EPC): B23D059/00 , B28D001/04 , B28D001/04 , B28D007/04

US-CL-CURRENT: 125/13.01

**ABSTRACT:**

The invention relates to a unit for sawing up blocks of material such as stone, marble or granite. This unit comprises a first rolling gantry system (8, 9, 15) carrying a vertical sawing saddle (29), and a second rolling gantry system (43, 44, 50, 51) including two identical crossmembers (50, 51) each carrying a horizontal sawing saddle (53) and a sucker-bearing saddle (54) which are connected together in terms of translation. This unit furthermore includes a central management unit which is programmed, on the one hand, to coordinate the work of the vertical discs and horizontal discs so

that it can make the vertical discs and one of the horizontal discs work simultaneously, and, on the other hand, to actuate the suckers after each cutting of an edge by a horizontal disc and then bring about movement of the horizontal sawing saddle (53) and sucker-bearing saddle (54) towards discharge means (84, 85, 90, 91, 92).

(19) RÉPUBLIQUE FRANÇAISE  
INSTITUT NATIONAL  
DE LA PROPRIÉTÉ INDUSTRIELLE  
PARIS

(11) N° de publication :  
(à n'utiliser que pour les commandes de reproduction)

2 706 348

(21) N° d'enregistrement national :

93 07355

(51) Int CF : B 28 D 1/04 , B 23 D 47/04

(12)

## DEMANDE DE BREVET D'INVENTION

A1

(22) Date de dépôt : 16.06.93.

(71) Demandeur(s) : CEBE-ESCANDE Société Anonyme  
— FR.

(30) Priorité :

(72) Inventeur(s) : Escande Christian.

(43) Date de la mise à disposition du public de la demande : 23.12.94 Bulletin 94/51.

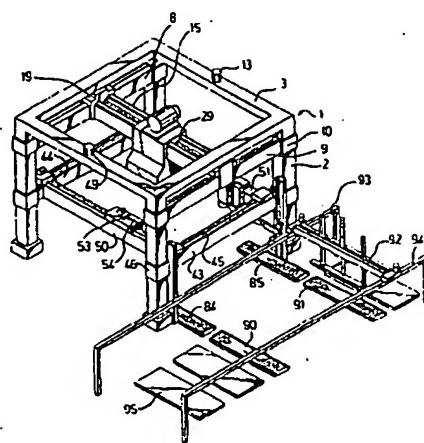
(73) Titulaire(s) :

(56) Liste des documents cités dans le rapport de recherche préliminaire : Se reporter à la fin du présent fascicule.

(74) Mandataire : Cabinet Barre Laforgue & associés.

(54) Unité de sciage de blocs de matériau tel que pierre, marbre, granit.

(57) L'invention concerne une unité de sciage de blocs de matériau tel que pierre, marbre ou granit. Cette unité comprend un premier système de pont roulant (8, 9, 15) portant un chariot (29) de sciage vertical, et un deuxième système de pont roulant (43, 44, 50, 51) comportant deux traverses identiques (50, 51) portant chacune un chariot de sciage horizontal (53) et un chariot porte-ventouses (54) liés en translation. Cette unité comporte, en outre, une unité centrale de gestion programmée, d'une part, pour coordonner le travail des disques verticaux et des disques horizontaux de façon à faire travailler simultanément les disques verticaux et un des disques horizontaux et, d'autre part, pour actionner les ventouses, après chaque découpe d'une tranche par un disque horizontal, et engendrer ensuite le déplacement des chariots de sciage horizontal (53) et porte-ventouses (54) vers des moyens d'évacuation (84, 85, 90, 91, 92).



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Fig 1

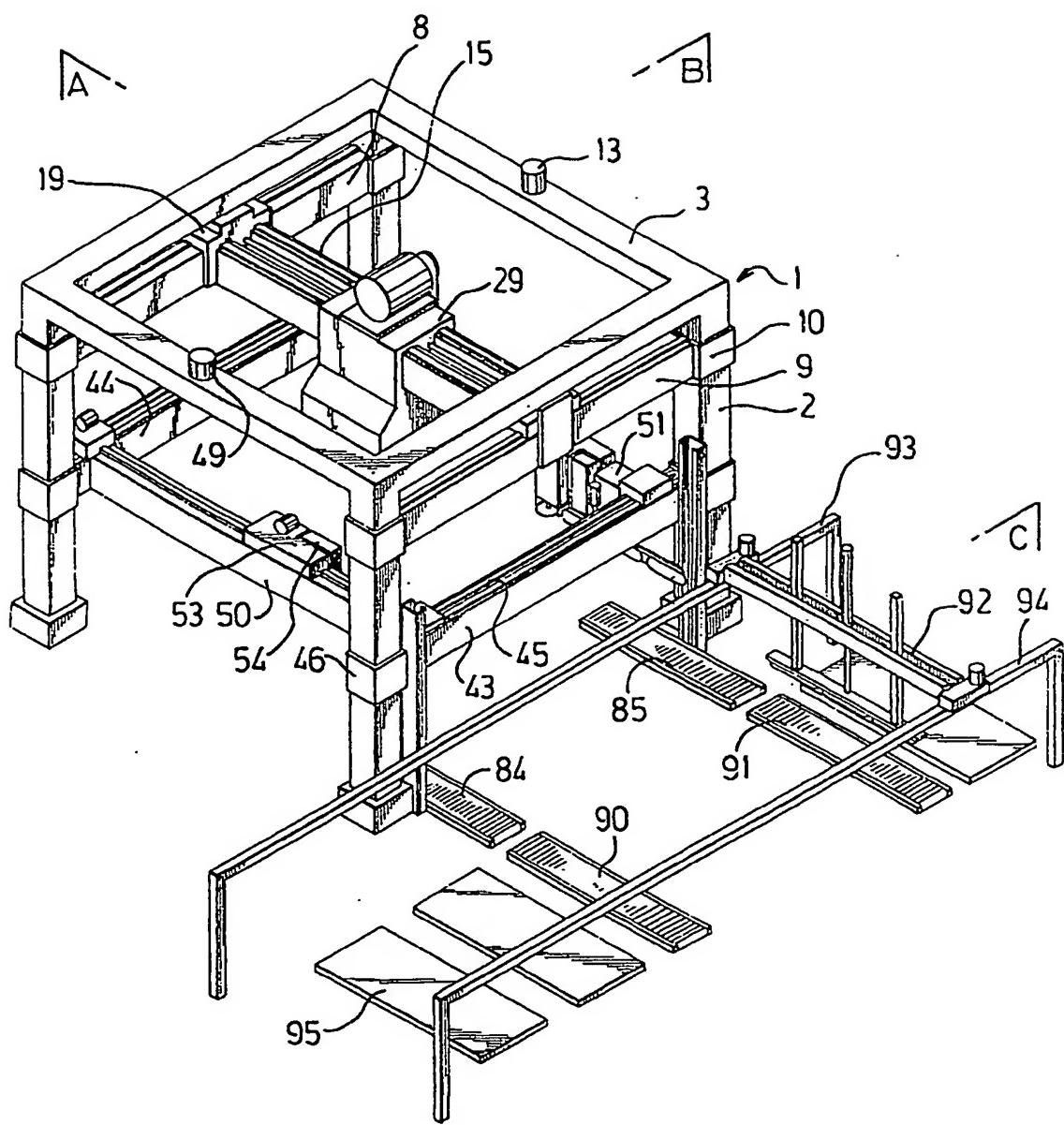
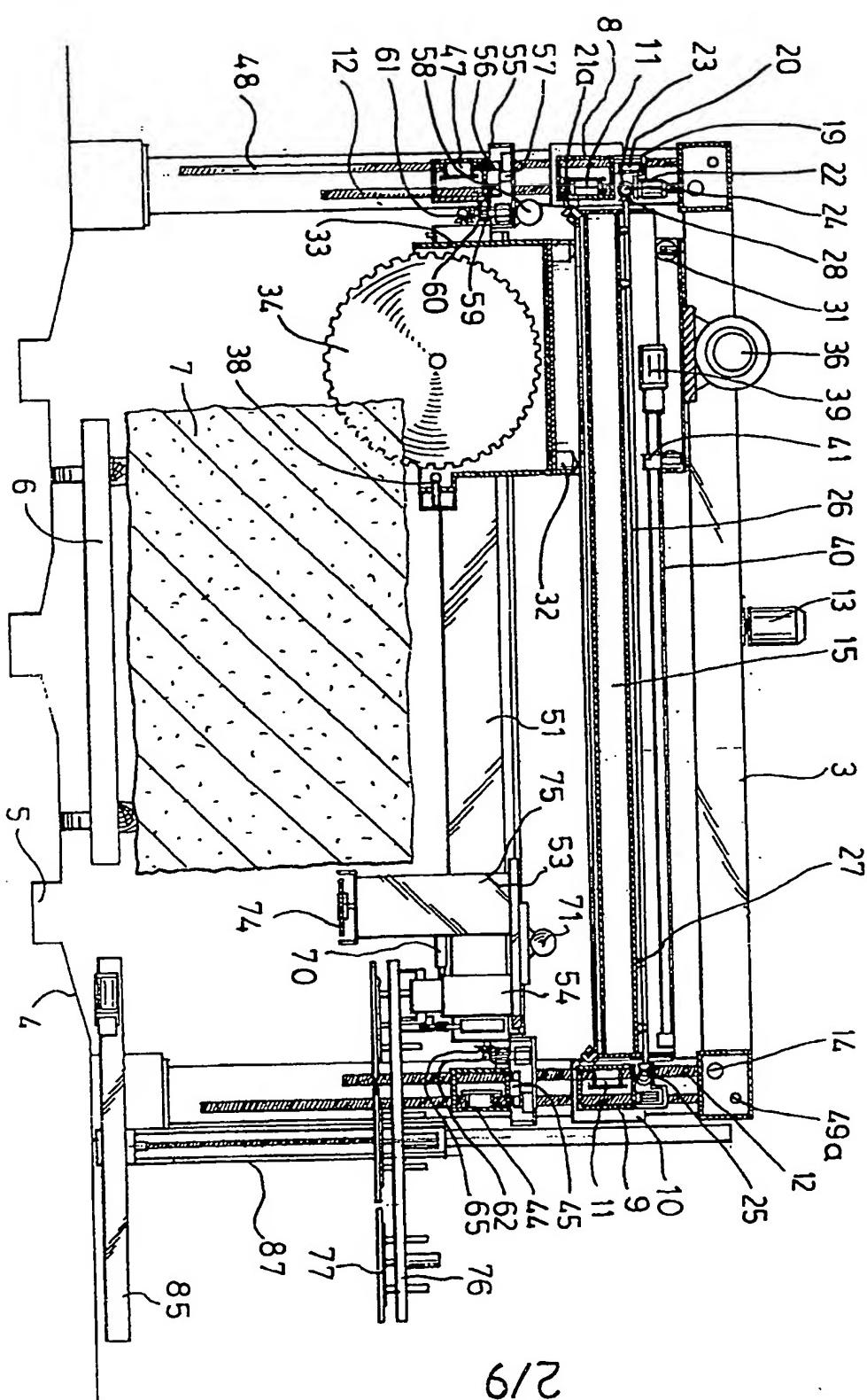
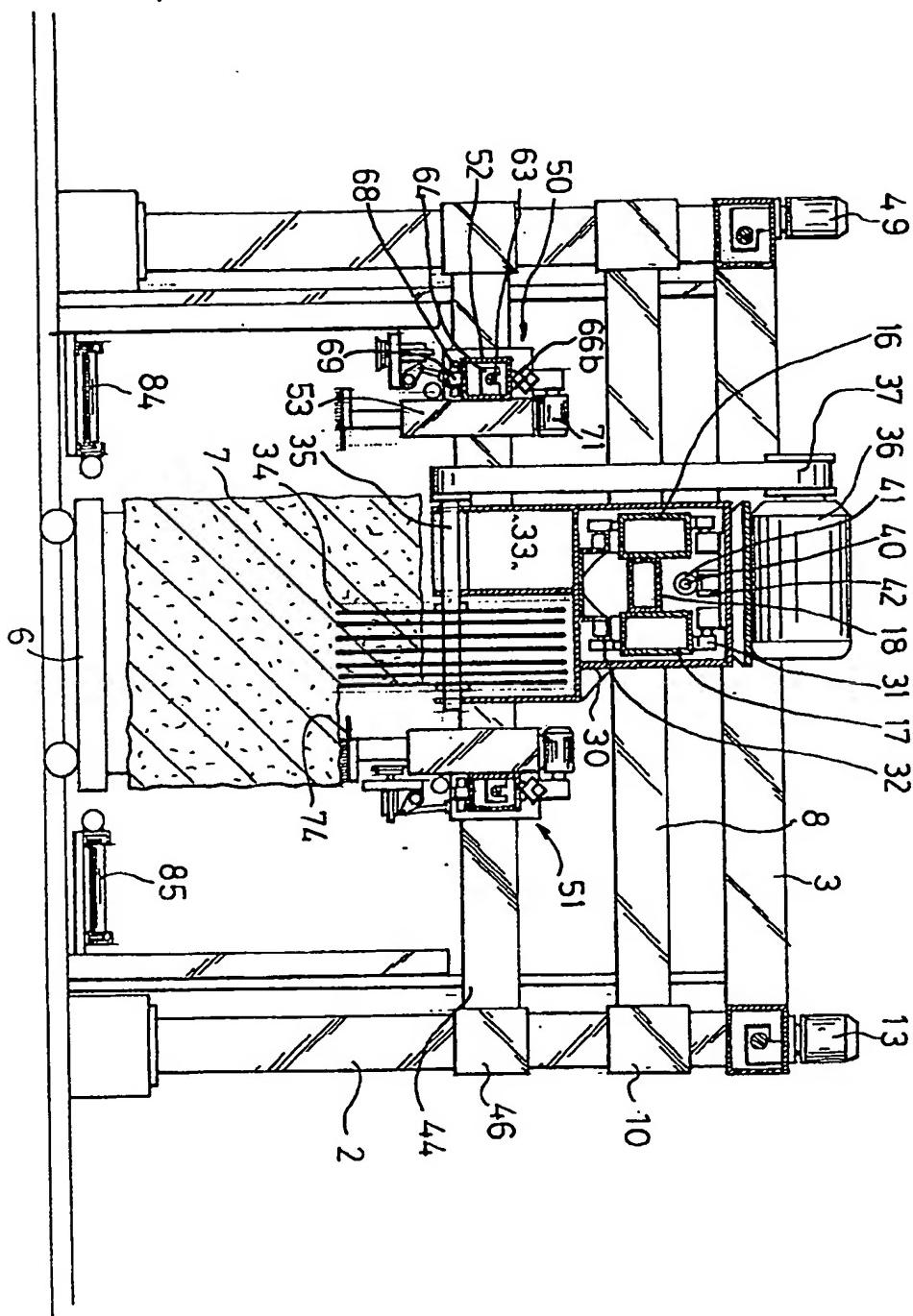


Fig 2



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Fig 3



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Fig 4

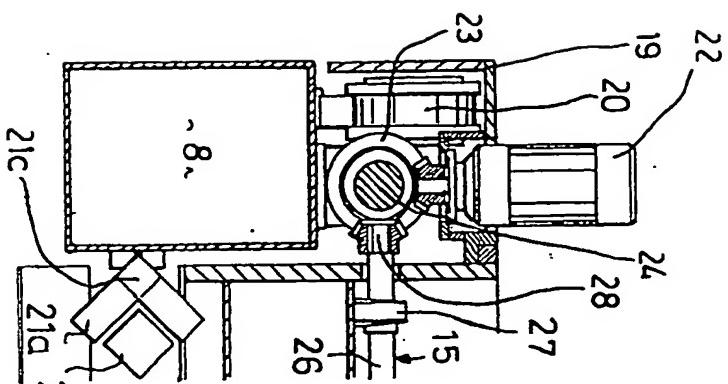


Fig 5

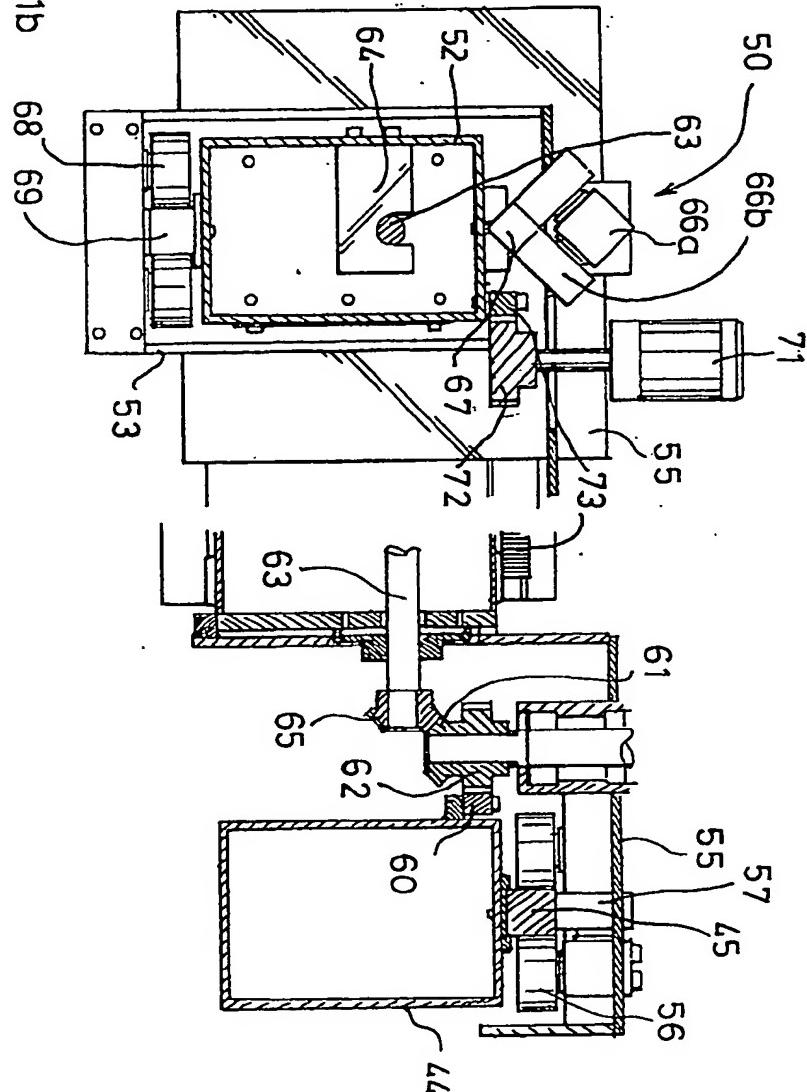
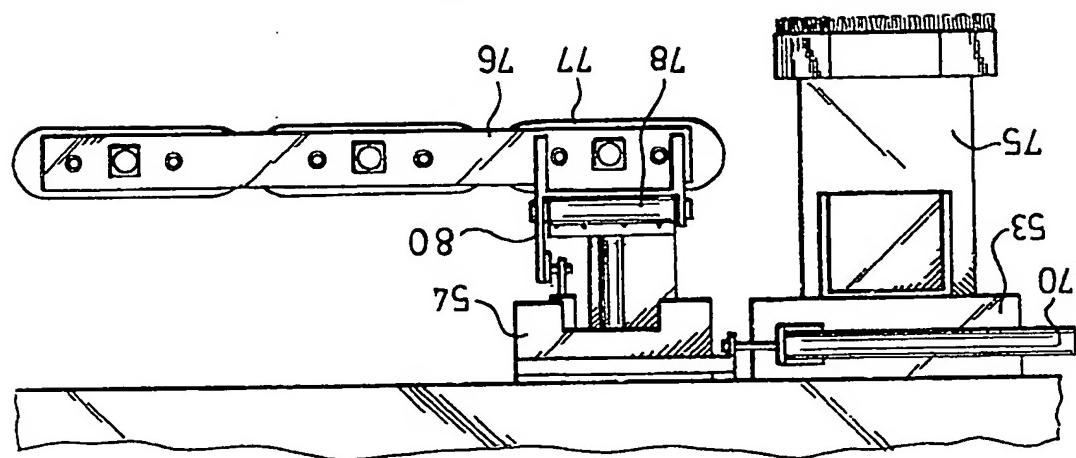
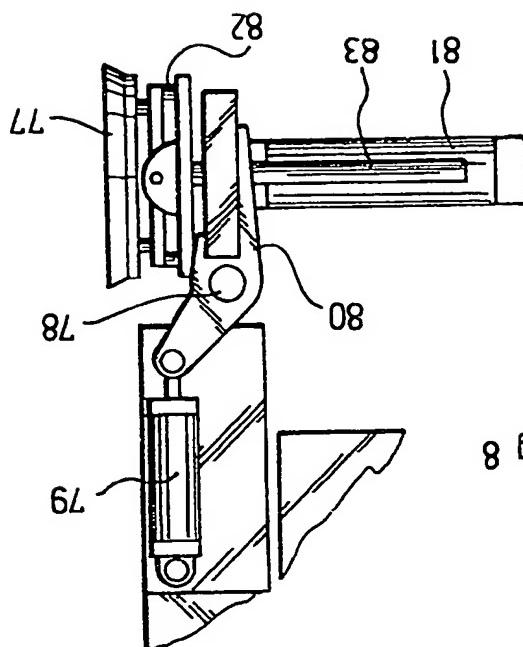


Fig 6

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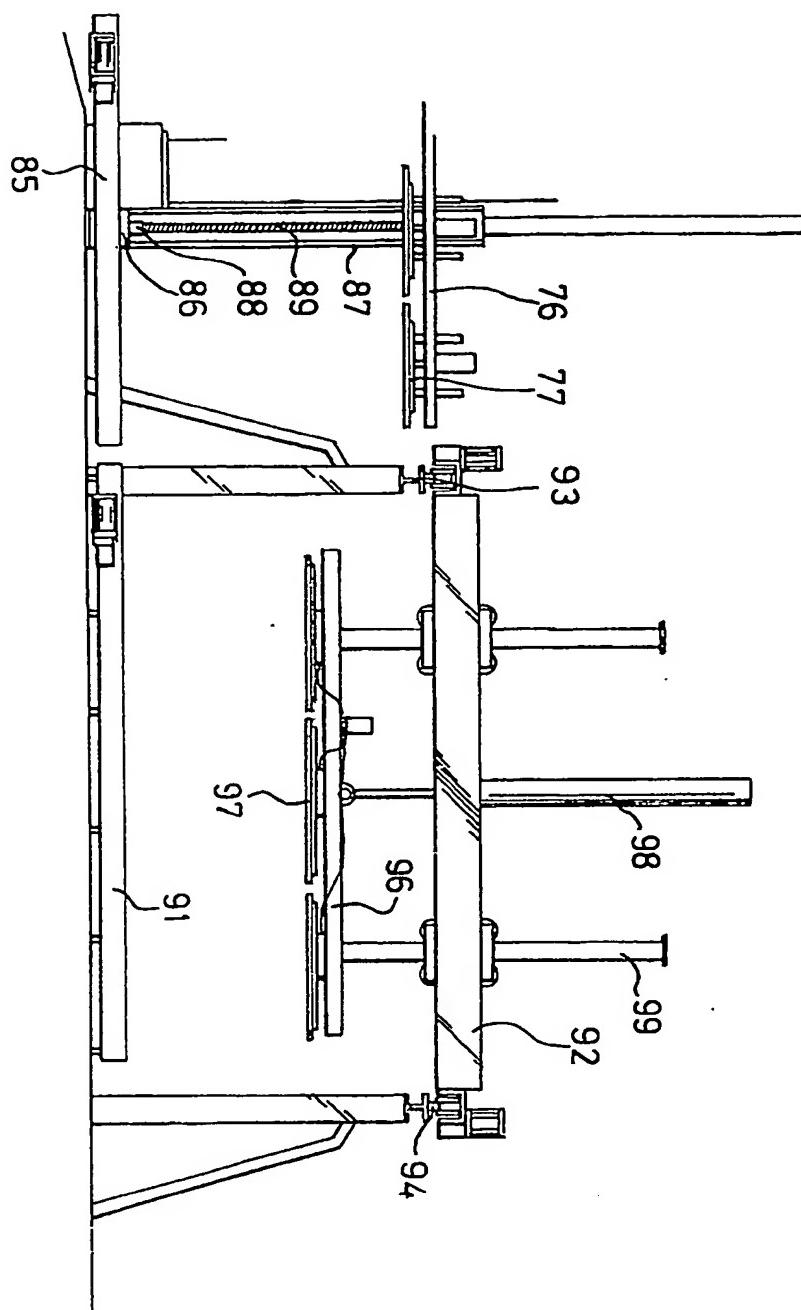


Fig 9

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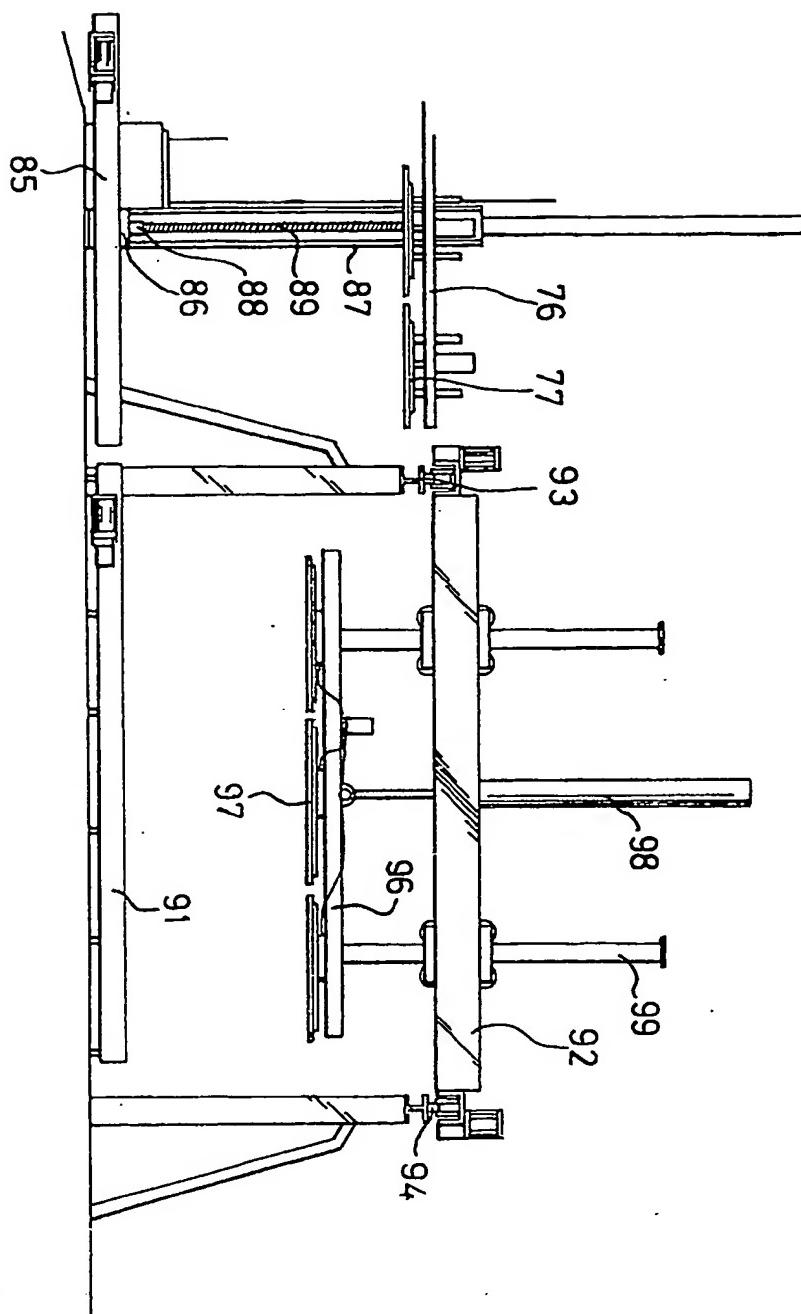
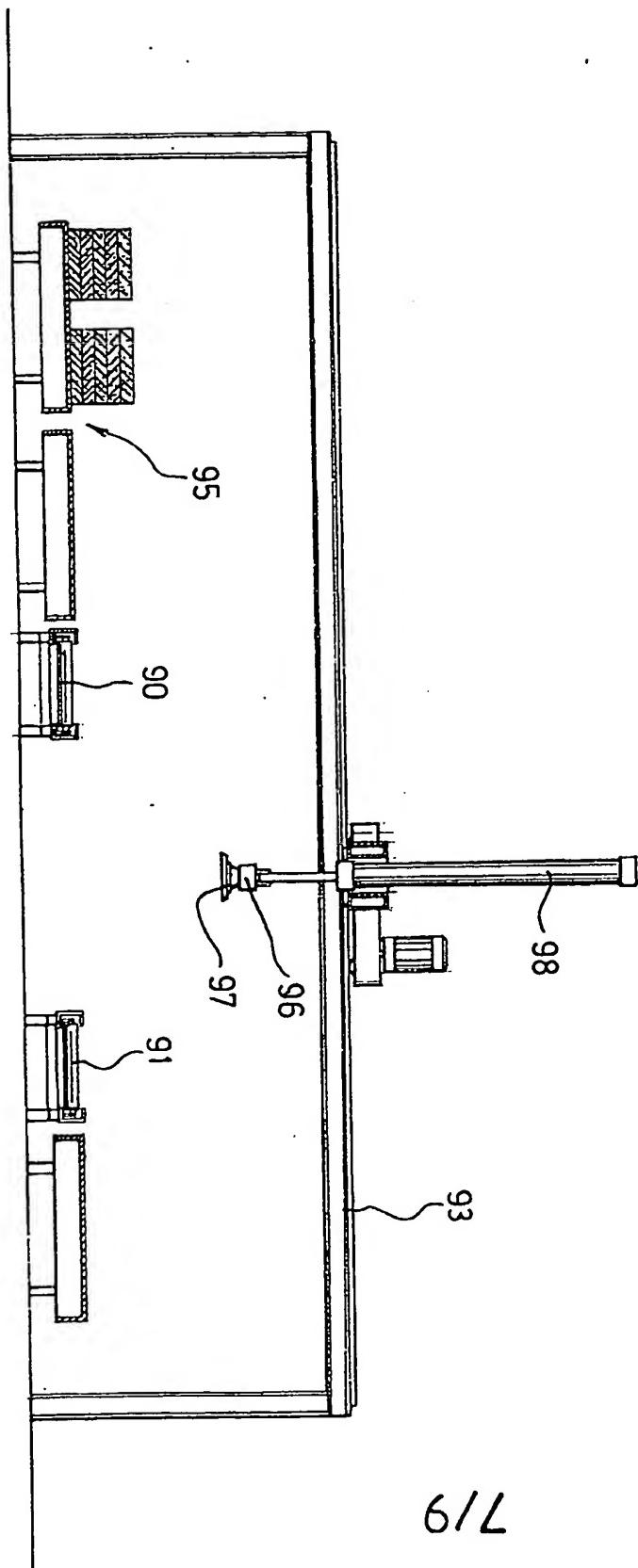


Fig. 9

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Fig 10



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Fig 11a

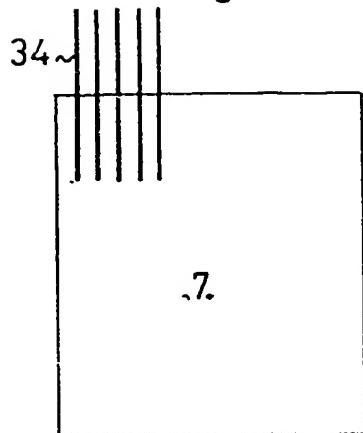


Fig 11b

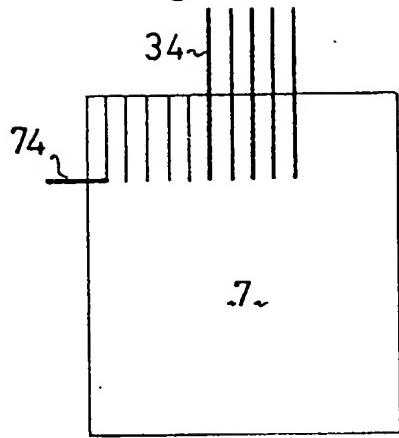


Fig 11c

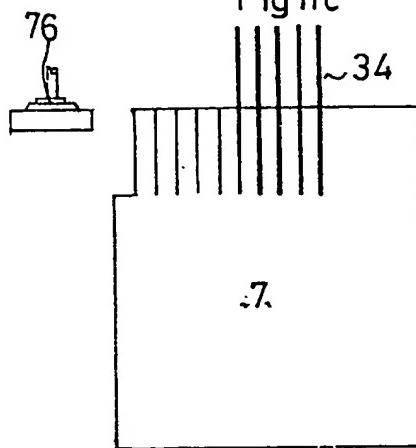


Fig 11d

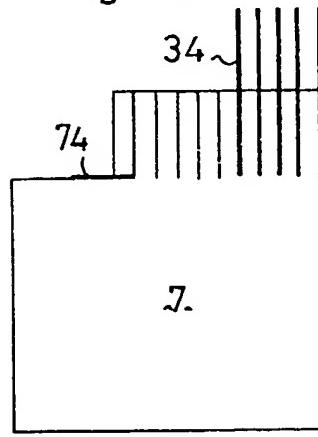
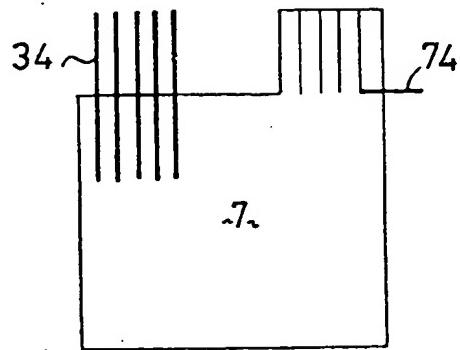


Fig 11e



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Fig 12a

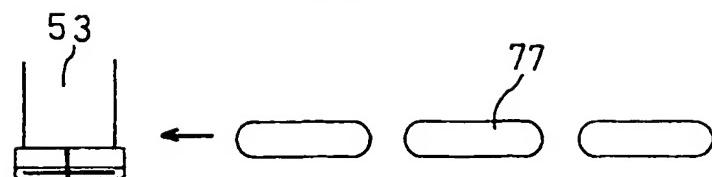


Fig 12b

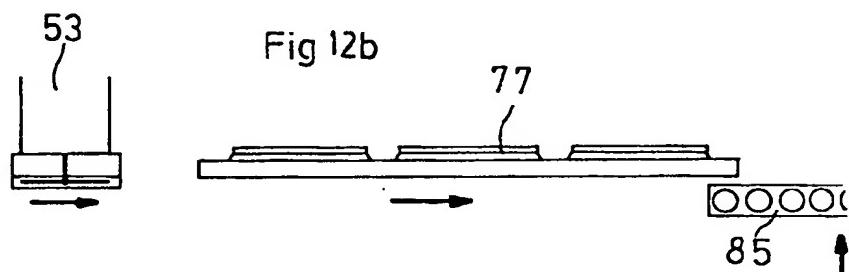


Fig 12c

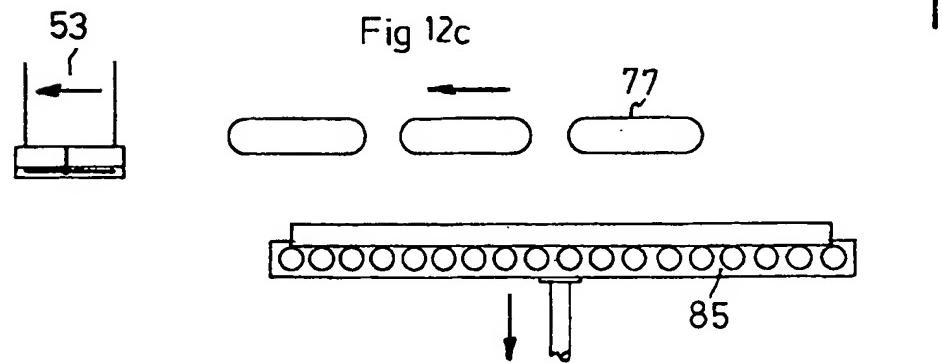


Fig 12d

